

Antibiotic Resistance Detection Kit

Abstract:

Bacteria are becoming increasingly resistant to the drugs commonly used against them, creating an inability to treat multi-drug resistant bacteria. The bacterial infection can spread to other patients in the hospital or to the family members of the patient. A diagnostic kit to determine the antibiotic sensitivity of various antibiotics for a variety of bacterial pathogens is developed under project funded by Rajiv Gandhi Science and Technology Commission, Mumbai. The test is very easy to perform by just adding bacterial culture and does not require any sophisticated equipment. It gives rapid results within 10 hours and the cost is low as compared to the kits available in the market.

Salient Features:

- 1) Gives rapid results (9 hours)
- 2) Easy to use and results can be interpreted by untrained person
- 3) Low capital investment required

Methodology:



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